

International Polar Year-International Permafrost Association Permafrost Observatory Project

(see www.ipy.org for description of individual EoIs)

1. Permafrost Observatories

- 125 (Lead): Thermal State of Permafrost: The IPA Contribution to an International Network of Permafrost Observatories (INPO) (Brown)
- 15: From the beginning of the Pliocene cooling to the modern warming– Past Permafrost Records in Arctic Siberia (Schirmer)
- 140: The Thermal State of Permafrost (TSP): A Contribution from Portugal to an International Network of Permafrost Observatories (INPO) (Vieira)
- 175: Permafrost and Climate in the European North Atlantic Sector (PolarPace) (Harris)
- 182*: Arctic Circumpolar Coastal Observatory Network (ACCO-Net) (Rachold)
- 230: The Thermal State of Permafrost (TSP): A Contribution from Spain to an International Network of Permafrost Observatories (Miguel)
- 253*: Fundamental causes of local climates as the basis of ecosystem differentiation and dynamics on the area of West Spitsbergen, Svalbard (TOPOCLIM) (Migala).
- 391: Coastal cryolithozone of Russian Arctic (CoCRA) (Vasiliev)
- 431: North-Asia permafrost: evolution and interaction with atmosphere and hydrosphere (Zhang)
- 439: The Circumpolar Active Layer Monitoring Program: An IPA Contribution to the International Polar Year (IPA CALM) (Nelson)
- 464*: Canada #27: Canadian Arctic Network of Coastal Observatories (CANCO) (Allard)
- 651: CANADA #103: The Thermal State of Permafrost (TSP): A Canadian contribution to the International Permafrost Association's International Polar Year Project (Smith)
- 718: CANADA #99: Scientific Drilling to Investigate Geology, GeoMechanics, Gas Hydrates and Microbiology of Deep Permafrost: Proposal to the International Continental Scientific Drilling Program (Dallimore)
- 738: Effect of Climate Changes On Permafrozen Periglacial Environments in Greenland (Mikkelsen)
- 799: Thermal State of Permafrost in Russia: The Contribution to an International Network of Permafrost Observatories (INPO) (Kholodov)
- 836: Response of permafrost to climatic change (Harada)
- 882: PERmafrost and Carbon Emissions (PEACE) (Canadell and Kuhry for CAPP)
- 987: Trans-Northeastern Siberian Permafrost Observatories (TNES/PO) (Ishikawa)
- 1002: Permafrost Dynamics Due To Historical Vegetation Removal and Subsequent Re-growth at Farmers Loop Road Experiment Station, Fairbanks, Alaska (Bjella).
- 1004: The Thermal State of Permafrost: A U.S. Contribution to the International Network of Permafrost Observatories (INPO) (Romanovsky)

(* EoI not originally assigned to the Permafrost Cluster)

2. Antarctic

- 65: Arctic and Antarctic denudation system under climatic changes and human impacts (ANRANDES) (Kostrzewski)
- 191: Antarctic permafrost and climate change (Yermolin)
- 228: Permafrost, soils and periglacial processes in the Antarctic Peninsula region. Spanish contribution to the international proposal ANTPAS (Lopez-Martinez)
- 316: Antarctic and sub-Antarctic Permafrost, Periglacial and Soil Environments. A contribution from Portugal to the international proposal ANTPAS (Vieira)
- 357: Antarctic Permafrost Age - Implications to the Earth and Planetary Geo/Bio Sciences (ANTPAGE) (Gilichinsky)
- 492: Heat and Mass Transfer Mechanisms of the Active Layer in the Antarctic and Arctic (Han)

- 627: Antarctic and sub-Antarctic Permafrost, Periglacial and Soil Environments (ANTPAS) (Boelhouwers)
824: Study of Sub-Antarctic Islands Natural Complexes (Lagun)

3. Bipolar Outreach, Including Data, Education, and Communications, Relevant to Permafrost* (partial list)

- 19: Promoting Post-Graduate Collaboration in the IPY (Drobot)
24: The International University Course on High Arctic Landscape Dynamics in Svalbard, Peary Land and Ellesmere Island (In Spe) (Christiansen)
79: Quantifying late Holocene climate change in the Arctic (Roof)
247: International Polar Year Special Issues of Arctic, Antarctic and Alpine Research (Anderson)
265: Arctic Spatial Data Infrastructure (Graves Gaylord)
281: Advance logisticscourse in for Arctic researchers and logistics personnel (Hansen)
341: Polar Explorer: Education and Outreach for the IPY (Pfirman)
398: Providing Infrastructure and Services to aid the Development of an International Network for Preserving and Sharing Arctic Data (Sharpton)
402: Dynamics, Fluxes, Stability, and Succession in Cold Environments (DYNAFLUX) (Beylich)
409: International Polar Year (IPY) Data and Information Service (DIS) for Distributed Data Management (Parsons)
503: Coordination of Observation and Monitoring of the Arctic for Assessment and Research (COMAAR) (Callaghan)
509: Integrated Graduate Research Training on Resilience and Adaptation of the Arctic System (Kofinas)
517: University of Colorado INSTAAR/NSIDC Program for Polar Public Outreach and Education (Pfeffer)
534: STUDENT-PARTNERS: A Pan-Arctic Science and Education Collaboration (Holmes)
597: Enhancing Svalbard as an a research base for IPY and beyond (Winther)
684: Topographic change-detection of the Arctic between the IGY and the IPY (Nolan)
685: EarthSLOT: an Earth Science, Logistics and Outreach Terrainbase for the IPY (Nolan)
879: NOAA's Data, Information, and Change Detection Strategy for the IPY (Fetterer)

4. Other Projects with Related-permafrost Activities*

- 106: Lake records of late Quaternary climate variability in northeastern Siberia (Siberian Lake Records (SibLake)) (Diekmann)
122: International Tundra Experiment: impact of long-term experimental warming and climate variability on tundra ecosystems (ITEX-IPY) (Henry)
129: Enhanced Northern Environmental Observations for IPY (Goodison)
190: Interaction between permafrost processes and ice-sheet dynamics during deglaciation of the NW Laurentide Ice Sheet (Murton)
201: Kuparuk River Watershed, Proposed Long Term Hydrologic Observatory, North Slope Alaska (Kane)
282: Land use impacts on polar and subpolar geosystems: extent, significance, perspectives (Gude)
378: Geomorphological Archives as indicators for Quaternary climate change in NE Siberia: aeolian and glacial deposits, GEOARCS (Lehmkuhl)
392: Cold Land Processes in Northern Eurasia and its Coastal Zone: Regional and Global Climate and Societal-Ecosystem Linkages and Interactions (Groisman)
512: Retrospective and Prospective Vegetation Change in the Polar Regions: Back to the Future (Callaghan)
564: Changes and variability in the Arctic systems – Nordaustlandet, Svalbard (Kinnvika) Kankaanpaa)
569: Greening of the Arctic: Monitoring circumpolar arctic biomass (GOA) (Walker)
607: The State and Fate of the Polar Cryosphere (CliC) (Key)
816: Sedimentary Source-to-Sink-Fluxes in Cold Environments (SEDIFLUX) (Beylich)
925: Continental circumference of the Laptev Sea: modern condition and paleoenvironment (COLAPP) (Bolshiyarov)
Terrestrial Arctic Integration (U.S. proposal submitted as letter to JC- Hinzman)